# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| S71 | 112 | (pipe or tub$4 or conduit) same bead same swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 14:38 |
| S72 | 68 | swirl$3 and bead | EPO; JPO; DERWENT | ADJ | ON | 2009/06/29 14:50 |
| S75 | 3 | swirl$3 and insert and (pipe or conduit or tub$4) and fluidized | EPO; JPO; DERWENT | ADJ | ON | 2009/06/29 14:53 |
| S74 | 379 | swirl$3 and insert and (pipe or conduit or tub$4) | EPO; JPO; DERWENT | ADJ | ON | 2009/06/29 14:53 |
| S73 | 780 | swirl$3 and insert | EPO; JPO; DERWENT | ADJ | ON | 2009/06/29 14:53 |
| S76 | 389 | (pipe or tub$4 or conduit) same insert same swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 14:54 |
| S78 | 125 | (pipe or tub$4 or conduit) with insert with swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 14:55 |
| S77 | 200 | (pipe or tub$4 or conduit) same insert with swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 14:55 |
| S79 | 778 | 422/139.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 15:07 |
| S80 | 159 | 570/243.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:07 |
| S81 | 274 | 261/114.2.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:09 |
| S82 | 3 | krejci, klaus.in. | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:14 |
| S84 | 1 | waterling, uwe.in. | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:15 |
| S83 | 13 | kammerhofer, peter. in. | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:15 |
| S85 | 17 | mielke, ingolf.in. | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:16 |
| S87 | 1 | (fluidized bed and swirl$3 and inlet and (pipe or tub$4 or conduit)).clm. | US-PGPUB | ADJ | ON | 2009/06/29 16:18 |

| S86 | 3 | (fluidized bed and swirl$3 and inlet and (pipe or tub$4 or conduit)).clm. | US-PGPUB | ADJ | ON | 2009/06/29 16:18 |
|-----|---|---|---|---|---|---|
| S88 | 2 | (fluidized bed and swirl$3 and inlet (pipe or tub$4 or conduit)).clm. | USPAT | ADJ | ON | 2009/06/29 16:19 |
| S89 | 0 | (fluidized bed and swirl$3 and inlet (pipe or tub$4 or conduit) and bead). clm. | USPAT | ADJ | ON | 2009/06/29 16:20 |
| S91 | 415 | (pipe or tub$4 or conduit) same (grid or screen or perforated disphragm or perforated tray) same swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:35 |
| S90 | 494 | (pipe or tub$4 or conduit) same (grid or screen or disphragm or tray) same swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:35 |
| S93 | 68 | (pipe or tub$4 or conduit) with (grid or screen or perforated disphragm or perforated tray) with swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:36 |
| S92 | 197 | (pipe or tub$4 or conduit) with (grid or screen or perforated disphragm or perforated tray) same swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/29 16:36 |
| S95 | 346 | swirl$3 and (grid or screen or perforated diaphragm or perforated tray) and (tube$4 or pipe or conduit) | EPO; JPO; DERWENT | ADJ | ON | 2009/06/29 16:42 |

| S94 | 700 | swirl$3 and (grid or screen or perforated diaphragm or perforated tray) | EPO; JPO; DERWENT | ADJ | ON | 2009/06/29 16:42 |
| S96 | 144 | swirl$3 and (grid or screen or perforated diaphragm or perforated tray) and (tube$4 or pipe or conduit) and inlet | EPO; JPO; DERWENT | ADJ | ON | 2009/06/29 16:43 |
| S97 | 5 | swirl$3 and (grid or screen or perforated diaphragm or perforated tray) and (tube$4 or pipe or conduit) and fluidized bed | EPO; JPO; DERWENT | ADJ | ON | 2009/06/29 16:44 |
| L2 | 45 | 239/465.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 11:34 |
| L1 | 257 | 239/461.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 11:34 |
| L3 | 2 | 239/465.ccls. and swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 11:35 |
| L6 | 48 | 239/461.ccls. and swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 11:40 |
| L7 | 6 | ("4962889" \| "5351477" \| "5605287" \| "5630319" \| "5761907" \| "6427930").PN. | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 11:43 |
| L8 | 2944 | "239".clas. and swirl$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 11:50 |
| L10 | 139 | "239".clas. and swirl$3 with pipe | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 11:51 |
| L9 | 269 | "239".clas. and swirl$3 same pipe | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 11:51 |
| L11 | 104 | "239".clas. and swirl$3 with thread$3 | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 11:55 |
| L12 | 57 | "239".clas. and swirl$3 with (screen or grid or perforated) | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 12:00 |

| L15 | 1 | "239".clas. and swirl $3 with (screen or grid or perforated) and fluidized | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 12:28 |
| L18 | 21 | ("3553847" \| "3556734" \| "3761065" \| "3767177" \| "4021193" \| "4152843" \| "4165040" \| "4421725" \| "4460330" \| "4660768" \| "4829912" \| "5101576").PN. OR ("5372791").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 13:13 |
| L17 | 1 | "5372791".pn. | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 13:13 |
| L19 | 13 | ("2835483" \| "3633887" \| "4148437" \| "4259088" \| "4311278").PN. OR ("4460330").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 13:14 |
| L20 | 33 | ("2607666" \| "2985439" \| "3091594" \| "3417978" \| "3443621" \| "3617037" \| "3756922" \| "3861862").PN. OR ("4021193").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 13:16 |
| L21 | 13 | ("2835483" \| "3633887" \| "4148437" \| "4259088" \| "4311278").PN. OR ("4460330").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 13:18 |
| L22 | 21 | ("3861862" \| "3958916").PN. OR ("4165040").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 13:31 |
| L23 | 12 | ("2519618" \| "3345046" \| "3605388" \| "4085192" \| "4093701").PN. OR ("4421725").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 13:34 |

| L24 | 13 | ("2519618").URPN. | USPAT | ADJ | ON | 2009/06/30 13:35 |
|-----|-----|-------------------|-------|-----|-----|------------------|
| L26 | 688 | fluidized same nozzle same (grid or screen or perforat $3) | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 13:41 |
| L25 | 5374 | fluidized same nozzle | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 13:41 |
| L29 | 52 | fluidized bed same pipe same nozzle with (grid or screen or perforat$3) | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 13:42 |
| L28 | 247 | fluidized bed same nozzle with (grid or screen or perforat $3) | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 13:42 |
| L27 | 318 | fluidized same nozzle with (grid or screen or perforat $3) | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 13:42 |
| L30 | 10 | fluidized bed same swirl$3 same nozzle with (grid or screen or perforat$3) | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 13:43 |
| L31 | 4 | fluidized bed same swirl$3 same pipe with (grid or screen or perforat$3) | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 13:58 |
| L32 | 2 | fluidized bed same swirl$3 same tub$4 with (grid or screen or perforat$3) | US-PGPUB; USPAT | ADJ | ON | 2009/06/30 13:59 |
| L33 | 11 | ("3112220" \| "3173948" \| "3533829").PN. OR ("4244776").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 14:00 |
| L35 | 4 | tube near screen with swirl$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 14:01 |
| L34 | 10605 | tubes near screen | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 14:01 |
| L37 | 11 | tube near perforat $3 with swirl$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 14:02 |
| L36 | 2 | tube near grid with swirl$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 14:02 |
| L38 | 15585 | nozzle near tub$4 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 14:03 |

| L42 | 0 | nozzle near tub$4 with swirl$3 with (screen or grid or mesh or perforat$3) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 14:04 |
| L41 | 0 | nozzle near tub$4 with swirl$3 with (screen or grid or perforat$3) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 14:04 |
| L40 | 98 | nozzle near tub$4 with swirl$3 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/30 14:04 |

**6/30/2009 2:13:04 PM**
**C:\ Documents and Settings\ nyoung1\ My Documents\ EAST\ Workspaces\ 10521418.wsp**